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ning of each regular issue of the PCT Gazette.*

(54) Title: WATER-SOLUBLE ANIONIC BACTERIOCHLOROPHYLL DERIVATIVES AND THEIR USES

(57) Abstract: The invention provides anionic water-soluble tetracyclic and pentacyclic bacteriochlorophyll derivatives (Bchls) con-  
taining at least one, preferably two or three, negatively charged groups and/or acidic groups that are converted to negatively charged  
groups at the physiological pH, preferably Bchls having a group COO<sup>-</sup>, COS<sup>-</sup>, SO<sub>3</sub><sup>-</sup>, PO<sub>3</sub><sup>2-</sup>, COOH, COSH, SO<sub>3</sub>H, and/or PO<sub>3</sub>H<sub>2</sub>  
bound through an ester or amide bond to one or more of the positions 17<sup>3</sup>, 13<sup>3</sup>, and 3<sup>2</sup> of the tetracyclic or pentacyclic Bchl molecule,  
for photodynamic therapy and diagnosis.

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# INTERNATIONAL SEARCH REPORT

International application No.

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## A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 514/427, 410, 426

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
CAPLUS, USPATFULL, PCTFULL

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,147,195 A (SCHERZ et al.) 14 November 2000 (14.11.2000), abstract, Figures 1-5, column 1 lines 11-17, column 3-4, Examples at column 12-26, claims 1-9.	1-50
X	US 5,955,585 A (SCHERZ et al.) 21 September 1999 (21.09.1999), abstract, Figures 1-5, column 1 lines 11-17, column 3-4, Examples at column 9-19, claims 1-19.	1-50

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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